

We claim:

1. In a multi-user radio communication system having a network infrastructure with which a first mobile station and at least a second mobile station communicates data, the data forming portions of communication signals transmitted at selected power levels, an improvement of an assembly for
 5 facilitating selection of the power levels at which to transmit the communication signals, said assembly comprising:
 a signal generator coupled to the network infrastructure, said signal generator for generating a transmit power indication signal for transmission to at least a selected one of the first mobile station and the at
 10 least second mobile station, the transmit power indication signal of a value representative of a maximum allowable power level permitted of the selected power levels at which to transmit the communication signals.
2. The assembly of claim 1 wherein the multi-user radio communication system defines a point coordination function period, and wherein the transmit power indication signal generated by said signal generator is transmitted to a single selected one of the first and at least second selected
 5 one of the mobile stations, respectively.
3. The assembly of claim 2 wherein said signal generator further generates a power correction information signal for transmission to the single selected one of the mobile stations, the power connection information signal of a value representative of an amount at which the selected one of the mobile
 5 stations is to communicate the communication signals.
4. The assembly of claim 2 wherein the multi-user radio communication system further defines a contention free period, wherein the point coordination function forms a portion thereof and wherein the transmit power indication signal generated by said signal generator is generated during
 5 the point coordination function period of the contention free period.

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mobile station and at least a second mobile station communicates data, the data forming portions of communication signals transmitted at selected power levels, an improvement of a method for facilitating selection of the power levels at which to transmit the communication signals, said method comprising:

5 generating a transmit power indication signal of a value representative of a maximum allowable power level permitted of the selected power levels at which to transmit the communication signals, and

10 transmitting the transmit power indication signal to at least a selected one of the first mobile station and the at least second mobile station.

18. The method of claim 17 wherein the radio communication system defines a point coordination function period and wherein said operation of transmitting comprises transmitting the transmit power indication signal to a

15 selected one of the first and at least second mobile stations, respectively, during the point coordination function period.

19. The method of claim 18 further comprising the additional operations of sending a power correction information signal to the selected one of the mobile stations and selecting operating power levels at which communication signals are transmitted by the selected one of the mobile

5 stations responsive to values of the power correction information signal and of the transmit power indication signal.

20. The method of claim 17 wherein the radio communication system defines a distributed coordination function period and wherein said operation of transmitting comprises transmitting the transmit power indication signal to all of the first and at least second mobile stations, respectively, during the

5 distributed coordination function.

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